

**SPECIFICATION AMENDMENT**

1. Please replace the paragraph beginning at page 8, line 11, with the following amended paragraph:

In contrast, the geometry of the filters and chopper of the embodiment of FIGURE ~~2~~1 is “split”, in the sense that a first portion of the filters and the chopper operate on a first side of the beam of infrared radiation and a second portion of the filters and the chopper operate on a second of the beam of infrared radiation. The split geometry could be two halves of a circle or two sides of a rectangular, depending on the inner cross sectional geometry of chamber 101.